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**From:** Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>  
**Sent:** Friday, April 12, 2019 10:10 AM  
**To:** Cathy Marcinkevage - NOAA Federal  
**Cc:** Maria Rea; Barbara Byrne; Howard Brown; Naseem.Alston  
**Subject:** Re: ROC LTO Climate Change Text

See attached for my track changes.

I agree with how the document lays out our consideration of the best available climate change assessment, and how we would qualitatively consider those effects on top of those in our analyses.

Seems like we could add a general summary of climate change in the "key consultation considerations" section, then paste the attached into the BiOp (I forget whether it's environmental baseline, cumulative effects, or both), and insert a qualitative summary in each of the division effects sections (and in turn, the I&S section).

-Garwin-

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*Garwin Yip*  
Water Operations and Delta Consultations Branch Chief  
NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
California Central Valley Office  
650 Capitol Mall, Suite 5-100  
Sacramento, CA 95814  
Office: 916-930-3611  
Cell: 916-716-6558  
FAX: 916-930-3629  
[www.westcoast.fisheries.noaa.gov](http://www.westcoast.fisheries.noaa.gov)



On Thu, Apr 11, 2019 at 11:43 PM Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)> wrote:

All --

Attached is a first draft of text to insert (in the effects analysis?). This mirrors some language already inserted into the latest draft of the analytical approach, but with some more detail. I'd like to use this to help identify how we thread a qualitative assessment of the updated climate change projections into our document -- recognizing that we simply DO NOT have something that quantitatively translates the differences between the BA projections and the latest projections into a readily usable metric or change in result.

I'm happy to hear thoughts on this and ideas on incorporating it into our document. Let's shoot for COB Tuesday, 4/16.

Feel free to let me know if anyone else should contribute to this.

Thanks,  
Cathy